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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 19	APOLLIT offering free connect time in April 2003
NEWS 28	Mar 20	EVENTLINE will be removed from STN
NEWS 29	Mar 24	PATDPAFULL now available on STN
NEWS 30	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 31	Mar 24	Indexing from 1957 to 1966 added to records in CA/CAPLUS
NEWS 32	Apr 11	Display formats in DGENE enhanced

NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that

specific topic.

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FILE 'HOME' ENTERED AT 11:30:52 ON 11 APR 2003

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 11:31:37 ON 11 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 11 Apr 2003 VOL 138 ISS 16
FILE LAST UPDATED: 10 Apr 2003 (20030410/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> "RNA dependent RNA polymerase"
        253512 "RNA"
         19740 "RNAS"
        256907 "RNA"
                 ("RNA" OR "RNAS")
        834640 "DEPENDENT"
           231 "DEPENDENTS"
        834799 "DEPENDENT"
                 ("DEPENDENT" OR "DEPENDENTS")
        253512 "RNA"
         19740 "RNAS"
        256907 "RNA"
                 ("RNA" OR "RNAS")
        132531 "POLYMERASE"
          8097 "POLYMERASES"
        133725 "POLYMERASE"
                 ("POLYMERASE" OR "POLYMERASES")
```

```
L1        1912 "RNA DEPENDENT RNA POLYMERASE"
                 ("RNA"(W)"DEPENDENT"(W)"RNA"(W)"POLYMERASE")

=> "luceferase" (l) L1
             2 "LUCEFERASE"
L2           0 "LUCEFERASE" (L) L1

=> "reporter gene assay" (l) L1
         32091 "REPORTER"
          1033 "REPORTERS"
         32650 "REPORTER"
                 ("REPORTER" OR "REPORTERS")
        766236 "GENE"
        288868 "GENES"
        810746 "GENE"
                 ("GENE" OR "GENES")
        279065 "ASSAY"
        119038 "ASSAYS"
        364508 "ASSAY"
                 ("ASSAY" OR "ASSAYS")
           947 "REPORTER GENE ASSAY"
                 ("REPORTER"(W)"GENE"(W)"ASSAY")
L3           0 "REPORTER GENE ASSAY" (L) L1

=> "marker gene" (l) L1
         92305 "MARKER"
         79755 "MARKERS"
        145615 "MARKER"
                 ("MARKER" OR "MARKERS")
        766236 "GENE"
        288868 "GENES"
        810746 "GENE"
                 ("GENE" OR "GENES")
          3731 "MARKER GENE"
                 ("MARKER"(W)"GENE")
L4           1 "MARKER GENE" (L) L1

=> DIS L4 1 IBIB ABS
THE ESTIMATED COST FOR THIS REQUEST IS 2.42 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L4   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
ACCESSION NUMBER:        2003:224187  CAPLUS
TITLE:                   RNA interference is required for normal centromere
                         function in fission yeast
AUTHOR(S):               Volpe, Tom; Schramke, Vera; Hamilton, Georgina L.;
                         White, Sharon A.; Teng, Grace; Martienssen, Robert
A.;
                         Allshire, Robin C.
CORPORATE SOURCE:        Cold Spring Harbor Laboratory, Bungtown Road, NY,
                         11724, USA
SOURCE:                  Chromosome Research (2003), 11(2), 137-146
                         CODEN: CRRSEE; ISSN: 0967-3849
PUBLISHER:               Kluwer Academic Publishers
DOCUMENT TYPE:           Journal
LANGUAGE:                English
AB   In plants, animals and fungi, active centromeres are assocd. with arrays
     of repetitive DNA sequences.  The outer repeats at fission yeast
     (Schizosaccharomyces pombe) centromeres are heterochromatic and are
     required for the assembly of an active centromere.  Components of the RNA
```

interference (RNAi) machinery process transcripts derived from these repeats and mediate the formation of silent chromatin. A subfragment of the repeat (dg) is known to induce silencing of **marker genes** at euchromatic sites and is required for centromere formation. We show that the RNAi components, Argonaute (Ago1), Dicer (Dcr1) and **RNA-dependent RNA polymerase** (Rdp1), are required to maintain silencing, lysine 9 methylation of histone H3 and assocn. of Swi6 via this dg ectopic silencer. Deletion of Ago1, Dcr1 or Rdp1 disrupts chromosome segregation leading to a high incidence of lagging chromosomes on late anaphase spindles and sensitivity to a microtubule poison. Anal. of dg transcription indicates that csp mutants, previously shown to abrogate centromere silencing and chromosome segregation, are also defective in the regulation of non-coding centromeric RNAs. In addn., histone H3 lysine 9 methylation at, and recruitment of Swi6 and cohesin to, centromeric repeats is disrupted in these mutants. Thus the formation of silent chromatin on dg repeats and the development of a fully functional centromere is dependent on RNAi.

```
=> assay (s) L1
        279065 ASSAY
        119038 ASSAYS
        364508 ASSAY
                  (ASSAY OR ASSAYS)
L5          43 ASSAY (S) L1

=> "reporter gene" and L5
         32091 "REPORTER"
          1033 "REPORTERS"
         32650 "REPORTER"
                  ("REPORTER" OR "REPORTERS")
        766236 "GENE"
        288868 "GENES"
        810746 "GENE"
                  ("GENE" OR "GENES")
         19805 "REPORTER GENE"
                  ("REPORTER"(W)"GENE")
L6           1 "REPORTER GENE" AND L5

=> luceferase and L5
             2 LUCEFERASE
L7           0 LUCEFERASE AND L5

=> DIS L6 1 IBIB ABS
THE ESTIMATED COST FOR THIS REQUEST IS 2.42 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L6   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
ACCESSION NUMBER:         2000:87237  CAPLUS
DOCUMENT NUMBER:          133:281
TITLE:                    Amantadine and rimantadine have no direct inhibitory
                          effects against hepatitis C viral protease, helicase,
                          ATPase, polymerase, and internal ribosomal entry
                          site-mediated translation
AUTHOR(S):                Jubin, Ronald; Murray, Michael G.; Howe, Anita Y.-M.;
                          Butkiewicz, Nancy; Hong, Zhi; Lau, Johnson Y.-N.
CORPORATE SOURCE:         Antiviral Therapy, Schering-Plough Research
Institute,
```

Kenilworth, NJ, 07033, USA
SOURCE: Journal of Infectious Diseases (2000), 181(1), 331-334
CODEN: JIDIAQ; ISSN: 0022-1899
PUBLISHER: University of Chicago Press
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Amantadine, a drug known to inhibit influenza A viral matrix (M2) protein function, was reported to be an effective treatment in some patients with chronic hepatitis C virus (HCV) infection. Sequence comparison shows no homol. between M2 and any of the HCV proteins. The effects of amantadine and a related analog, rimantadine, on viral protease, helicase, ATPase, **RNA-dependent RNA polymerase**, and HCV internal ribosomal entry site (IRES) translation were tested by established in vitro biochem. **assays**. No inhibition (>15%) of HCV protease, helicase, ATPase, and polymerase was obsd. with concns. up to 400 .mu.g/mL. IRES-specific inhibition was not obsd. at clin. relevant concns., but both cap and IRES **reporter genes** were suppressed at higher levels, suggesting nonspecific translation inhibition. In conclusion, amantadine and rimantadine have no direct and specific inhibitory effects against HCV protease, helicase, ATPase, polymerase, and IRES in vitro.
REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log off
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
STN INTERNATIONAL LOGOFF AT 11:37:19 ON 11 APR 2003

```
FILE 'BIOSIS' ENTERED AT 13:01:50 ON 11 APR 2003
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC.(R)

=> "RNA dependent RNA polyperase"
L1            0 "RNA DEPENDENT RNA POLYPERASE"

=> "RNA dependent RNA polymerase"
L2         3021 "RNA DEPENDENT RNA POLYMERASE"

=> "reporter gene assay"
L3         1926 "REPORTER GENE ASSAY"

=> L1 (l) L2
L4            0 L1 (L) L2

=> L1 and L2
L5            0 L1 AND L2

=> L2 and L3
L6            1 L2 AND L3

=> L2 (l) L3
L7            0 L2 (L) L3

=> "hygromycin resistance"
L8          852 "HYGROMYCIN RESISTANCE"

=> L2 and L8
L9            3 L2 AND L8

=> "puromycin resistance"
L10         185 "PUROMYCIN RESISTANCE"

=> L2 and L10
L11           1 L2 AND L10

=> "zeocin resistance"
L12          84 "ZEOCIN RESISTANCE"

=> L2 and L12
L13           1 L2 AND L12

=> Genticin and L2
L14           0 GENTICIN AND L2

=> "thymidine kinase" and L2
L15           4 "THYMIDINE KINASE" AND L2

=> "beta galactosidase" and L2
L16          11 "BETA GALACTOSIDASE" AND L2

=> "alkalin phosphatase" and L2
L17           0 "ALKALIN PHOSPHATASE" AND L2

=> D L6 L9 L11 L13 L15 L17 IBIB TI SO AU ABS all
L9 IS NOT VALID HERE
For an explanation, enter "HELP DISPLAY".

=> "help display"
L18           4 "HELP DISPLAY"
```

=> D L6 IBIB TI SO AU ABS

L15 ANSWER 4 OF 4 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1996:546284 BIOSIS
DOCUMENT NUMBER: PREV199699268640
TITLE: The assay of viral enzymes.
AUTHOR(S): McCrae, M.
CORPORATE SOURCE: Dep. Biological Sciences, Univ. Warwick, Coventry CV4 7AL UK
SOURCE: Mahy, B. W. J. [Editor]; Kangro, H. O. [Editor]. (1996) pp.
277-289. Virology methods manual.
Publisher: Academic Press Ltd. 14 Belgrave Square, 24-28 Oval Road, London NW1 70X, England, UK.
ISBN: 0-12-465330-8.
DOCUMENT TYPE: Book
LANGUAGE: English
TI The assay of viral enzymes.
SO Mahy, B. W. J. [Editor]; Kangro, H. O. [Editor]. (1996) pp. 277-289.
Virology methods manual.
Publisher: Academic Press Ltd. 14 Belgrave Square, 24-28 Oval Road, London
NW1 70X, England, UK.
ISBN: 0-12-465330-8.
AU McCrae, M.

L16 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:875257 CAPLUS
DOCUMENT NUMBER: 135:367694
TITLE: Antisense reporter plasmid for assaying RNA virus replication
INVENTOR(S): Kovelman, Robert; Barbosa, Miguel
PATENT ASSIGNEE(S): Signal Pharmaceuticals, Inc., USA
SOURCE: U.S., 6 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6326480	B1	20011204	US 1999-234277	19990119

PRIORITY APPLN. INFO.: US 1999-234277 19990119
TI Antisense reporter plasmid for assaying RNA virus replication
SO U.S., 6 pp.
CODEN: USXXAM
IN Kovelman, Robert; Barbosa, Miguel
AB Reporter systems for assaying pos. sense RNA virus replication are provided. The reporter systems comprise a reporter gene in antisense orientation, flanked by the complements of 5' and 3' viral genome ends, such that exposure to an **RNA-dependent RNA polymerase** results in the generation of mRNA encoding an active reporter protein. Such systems may be used, for example, to detect active RNA virus and to monitor RNA virus therapies.
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT